G. T. Pillings,

Curtain-Cord Tightener.

No. 78,826. Patented June 9, 1868.

Fig. 2.

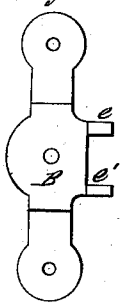


Fig. 3.

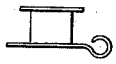


Fig. 1.

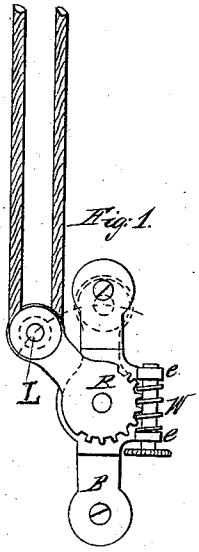
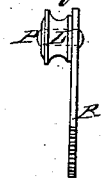


Fig. 4.



Fig. 5.



Witnesses:

Charles H. Crosman

Isaac R. Oakford

Inventor:

George T. Pillings

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

GEORGE T. PILLINGS, OF LEICESTER, ENGLAND; ASSIGNOR TO HIMSELF AND JOHN W. MASSEY.

Letters Patent No. 78,826, *dated June* 9, 1868.

IMPROVED SHADE-FIXTURE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE T. PILLINGS, of Leicester, England, have invented a new and useful Improvement in Shade-Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my improvement in shade-fixtures.

Figures 2, 3, 4, and 5 are detached views of same.

The object of my invention is to provide a holder for the cord by which a shade is raised or lowered, the same being attached to the casing or frame of the window. From the peculiar construction of the holder, as will be hereinafter described, the cord is always kept at a proper tension, and prevented from slipping off of the roller-end.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

B, fig. 2, is the back or frame, on one side of which are formed eyes, *e* and *e'*, which serve as bearings. Inserted and revolving in eyes *e* and *e'* is a worm, W, provided with a right or left-handed thread. Pivoted to the centre, and on the front of the frame B, is a circular rack, R, provided with an arm, to which is attached a pin, P, on which works a loose pulley, L.

The operation of the fixture is as follows: The arm of the circular rack R is placed in the position as shown in red lines, fig. 1, and the curtain-cord passed over the pulley L. Now, in order to give the proper tension to the cord, the worm W is turned to the right or left, according to the thread, and throws the arm of the rack R around to the required distance.

Having thus described my invention, its construction and operation, what I claim, and desire to secure by Letters Patent, is—

The combination and arrangement of the frame B, provided with eyes *e* and *e'*, worm W, circular rack R, and pulley L, so as to operate substantially in the manner and for the purpose specified.

GEORGE T. PILLINGS.

Witnesses:

CHARLES H. EVANS,

ISAAC R. OAKFORD.